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SUMMARY OF MOUNT WILSON MAGNETIC OBSERVATIONS OF SUN-
SPOTS FOR MARCH AND APRIL, 1921

The months of March and April were not marked by any unusual activity. No. 1823, which crossed the central meridian on March 27th, was the largest group, with an area of 460 millionths of the Sun's visible hemisphere. There were two spotless days in March and one in April. The average number of groups observed daily was 2.5 in March and 2.8 in April.

PERSONAL NOTES

Dr. Knut Lundmark, docent in the Observatory, University of Upsala, Sweden, is the present holder of the Martin Kellogg Fellowship in the Lick Observatory. Dr. Lundmark arrived at Mount Hamilton early in May.

Dr. Bertil Lindblad, of the Upsala Observatory, resided at Mount Hamilton during the month of March, obtaining observations with the quartz spectrograph attached to the Crossley reflector.

Miss Priscilla Fairfield, Fellow in the Lick Observatory during the past three years, received the degree of doctor of philosophy from the University of California in May.

Mr. Lincoln Damsgard, Professor of mathematics and astronomy in Union College, College View, Nebraska, has been appointed to a University fellowship in the Lick Observatory for the coming academic year.

Mr. F. C. Leonard of Chicago, a post graduate student and teaching fellow in the University of California, has been appointed to a University fellowship in the Lick Observatory for the academic year 1921-22.

Dr. Hamilton M. Jeffers, Fellow in the Lick Observatory during the year 1920, passed the examinations for the Ph. D. degree in January, 1921, and since that date he has been filling the position of instructor in mathematics and astronomy in the University of Iowa.

MAGNETIC CLASSIFICATION OF SUN-SPOTS FOR MARCH, 1921.

No.	C. M. P.	Lat.	H	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1813	Mar. 4.4	+14	18	αp	αp		x	x										
1814	4.7	-14	4	αp	x													
1815	2.4	+6	5	αp	αp						x		βp	x			αp	
1816	13.2	+6	18								x		x	x			x	α
1817	16.3	-7	17											x				
1818	12.3	-5	x														x	αp
1819	18.1	-11	26															
				3	3	1	1	1	0	0	1	1	2	3	.....	3	3	3

No.	C. M. P.	Lat.	H	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1816	Mar. 13.2	+6	18	αp	αp	x	x												
1817	16.3	-7	17	α	α	α	αp	αp		x									
1819	18.1	-11	26	αp	αp	αp					x								
1820	18.2	+11	x	x															
1821	14.0	+19	6		βp	x	βp	x											
1822	16.6	+16	12					x	βf	αf	βp	βp	βp	βp	βp	βp	αp	αp	
1823	27.1	+10	34					x	αp	βp									
1824	29.8	-8	22																
1825	31.7	+6	x																
1826	Apr. 3.1	+14	x																
1827	Mar. 25.7	-16	x																
1828	Apr. 5.1	-15	1																
				4	4	4	3	3	3	3	2	1	2	2	3	3	4	5	5

NOTES.

No. 1813 A return of No. 1807.—This group had the appearance of a bipolar group but both components had positive polarity and there were calcium flocculi following.

No. 1814 A return of No. 1802.

No. 1815 A faint marking with an unusually large field strength.

No. 1822 On March 22nd the following negative spot alone showed but the small preceding spots, if present, would have been very close to the limb.

No. 1823 On March 21st the preceding spots only had come around the east limb; the following spots were probably present. On March 26th the small following negative spots were 15 degrees behind the large leader.

MAGNETIC CLASSIFICATION OF SUN-SPOTS FOR APRIL, 1921

No.	C. M. P.	Lat.	H	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1823	Mar. 27.1	+10	34	αp	x													
1824	29.8	-8	22	αp	αp													
1828	Apr. 5.1	-15	1	αp	x													
1829	3.2	+13	x	x	x													
1830	2.5	-10	7															
1831	5.3	-19	x	αp	x													
1832	10.5	+18	19															
1833	15.9	+10	27															
1834	10.0	+18	12															
1835	12.5	+12	6															
				3	4	4	2	2	2	2	2	2	.....	.....	3	.....	2	3

No.	C. M. P.	Lat.	H	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1833	Apr. 15.9	+10	27	αp	αp													
1835	12.5	+12	6	x														
1836	14.2	+9	16	β	β	βp	βp	x										
1837	21.6	-16	23	αp	βp	βp	βp	βp	βp	βp	βp	βp	αp	βp	x			
1838	22.8	+10	27		x	αp	βp	αp	αp	αp	αp	αp	αp	αp	x	αp	x	
1839	24.5	-7	6				β	βp	x	β	x				x			
1840	24.2	-7	4															
				4	4	4	4	5	4	3	3	2	3	3	3	1	1	0

NOTES.

No. 1834 This group developed just preceding No. 1832.
No. 1835 No. 1835 developed rapidly between April 15th and April 16th.
No. 1837 A return of No. 1827. On April 22nd two small spots were following the leader. These were of opposite polarity; the negative one being about 2 degrees north of the positive one. The negative spot moved west and south so that it was slightly preceding the positive spot on April 23rd. By April 24th it was between the large preceding negative spot and the small following positive spot.
No. 1838 A return of No. 1823.
No. 1840 A revival of No. 1839.